

California Content Standards Alignment

4th GRADE

**Activity 4.1:
Moving Mountains
to the Sea**

**Activity 4.2:
No Ordinary
Sandy Beach**

**Activity 4.3:
Beach in a Pan**

Science Content Standards

4. Earth Sciences

The properties of rocks and minerals reflect the processes that formed them. As a basis for understanding this concept:

4.a.

Students know how to differentiate among igneous, sedimentary, and metamorphic rocks by referring to their properties and method of formation (the rock cycle).

X

4.b.

Students know to identify common rock-forming minerals and ore minerals by using a table of diagnostic properties.

X

Science Content Standards

5. Earth Sciences

Waves, wind, water and ice shape and reshape Earth's land surface. As a basis for understanding this concept:

5.a.

Students know some changes in the earth are due to slow processes, such as erosion, and some changes are due to rapid processes, such as landslides, volcanic eruptions, and earthquakes.

X

X

X

5.c.

Students know moving water erodes landforms, reshaping the land by taking it away from some places and depositing it as pebbles, sand, silt, and mud in other places (weathering, transport, and deposition).

X

X

X

Mathematics Content Standards

Measurement and Geometry

3.5.

Know the definitions of a right angle, an acute angle, and an

X

| | | | |
|--|---|---------------------|---|
| obtuse angle. Understand that 90°, 180°, 270°, and 360° are associated, respectively, with 1/4, 1/2, 3/4, and full turns. | | | |
| English-Language Arts Content Standards | | | |
| Reading 1.1. Read narrative and expository text aloud with grade-appropriate fluency and accuracy and with appropriate pacing, intonation, and expression. | X (Applies to 4.1b is story is read aloud by students) | | |
| Listening and Speaking 1.1. Ask thoughtful questions and respond to relevant questions with appropriate elaboration in oral settings. | | | X |
| Listening and Speaking 1.2. Summarize major ideas and supporting evidence presented in spoken messages and formal presentations. | | | X |
| History-Social Science Content Standards | | | |
| 4.1. Students demonstrate an understanding of the physical and human geographic features that define places and regions in California. | | | |
| 4.1.1. Explain and use the coordinate grid system of latitude and longitude to determine the absolute locations of places in California and on Earth. | | X (Extension #3) | |
| 4.1.4. Identify the locations of the Pacific Ocean, rivers, valleys, and mountain passes and explain their effects on the growth of towns. | X | | |